

Notice of Allowability

Application No.

09/745,290

Examiner

Tran A. Quoc

Applicant(s)

BERGER ET AL.

Art Unit

2176

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Appeal Brief filed 08/30/2006 and Interview on 11/21/2006.
2. ☒ The allowed claim(s) is/are 1-3 & 5-54 (Renumbering as 1-3, 5-25, 29-32, 53-54, 26-28, & 33-52 respectively).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|--|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11/21/2006</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Chad L. Thorson - Reg. No. 55,675, Attorney for Applicant(s) on 11/21/2006.

The application has been amended as follows:

Proposed Claim Amendment:

1. (Currently Amended) A method comprising:
altering portions of a text of an original version of a digital document to produce a revised version of the digital document in which the text is shorter than the text of the original document, the altering including segmenting the digital document into subdocuments, the altering being done based on a set of at least one preference, the set of at least one preference being associated with a device based on a unique identifier of the device and independent of an association with the digital document,
receiving over a communication channel a request for the digital document from the device, and
transmitting the subdocuments of the revised version over the communication channel in response to the request,
wherein at least one of the transmitted subdocuments includes a link to an adjacent subdocument.
2. (Original) The method of Claim 1 in which altering portions of the text includes applying more than one transformation selectively to the text.

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3. (Original) The method of Claim 1 also including selecting transformations to be applied to the text as part of the altering step, based on preferences associated with the device.
4. (Canceled) ~~The method of Claim 3 in which the preferences are associated with the device based on a unique identifier of the device.~~
5. (Original) The method of Claim 3 in which the preferences are stored in advance of the request for a document.
6. (Original) The method of Claim 3 in which the preferences are stored in a database associated with a server.
7. (Original) The method of Claim 3 in which the preferences are indicated by the user through the interface of the device.
8. (Original) The method of Claim 3 in which the preferences are indicated by the user through the interface of a device other than the device from which the request for the digital document is made.
9. (Original) The method of Claim 3 in which the preferences are indicated on a form provided from a server.
10. (Original) The method of Claim 3 in which preferences are stored for each device from which requests for documents may be received.
11. (Original) The method of Claim 3 in which preferences are stored for each type of device from which requests for documents may be received.
12. (Original) The method of Claim 3 in which the preferences are stored on the device.

13. (Original) The method of Claim 3 in which the preferences are stored on the device using a cookie mechanism.
14. (Original) The method of Claim 1 in which the altering depends on the type of the device.
15. (Original) The method of Claim 14 also including receiving information from the device identifying the type of device.
16. (Original) The method of Claim 1 in which the altering is performed at a proxy server.
17. (Original) The method of Claim 1 in which the altering is performed at an origin server.
18. (Original) The method of Claim 1 in which the device comprises a device that is not configured to display the entire document at one time.
19. (Original) The method of Claim 18 in which the device comprises a personal digital assistance, a hand-held device, or a telephone.
20. (Original) The method of Claim 1 in which the altering comprises date compression.
21. (Original) The method of Claim 1 in which the altering comprises word abbreviation.
22. (Original) The method of Claim 1 in which the altering comprises reducing the size of an image included in the original document.

23. (Original) The method of Claim 22 in which the reducing includes image compression, resampling, or conversion from color to black and-white.

24. (Original) The method of Claim 1 in which the digital document comprises a web page.

25. (Previously Presented) The method of Claim 1 also including transmitting fewer than all of the subdocuments in response to the request.

26. (Currently Amended) A method comprising:
maintaining a database that defines a plurality of sets of at least one preference, wherein the sets of at least one preference are associated with different client devices based on corresponding unique identifiers of the client devices and are independent of an association with a web page, wherein the sets of at least one preference define preferred alterations to be performed on full web pages requested by respective client devices that are not configured to display full web pages, the alterations making the documents more suitable for display on the respective client devices, and

wherein the alterations include segmenting a full webpage into subdocuments for transmitting fewer than all of the subdocuments in response to client device requests, at least one of the transmitted subdocuments including a link to an adjacent subdocument.

27. (Currently Amended) A method comprising:
obtaining from a client device a set of at least one preference with respect to preferred alterations to be performed on full documents requested by the client device that is not configured to display the full documents, and

associating the set of preferences with the client device in a database based on a unique identifier of the client device, the set being associated with the client device independent of an association with a document,

wherein the alterations include segmenting a full document into subdocuments for transmitting fewer than all of the subdocuments in response to client device requests, at least one of the transmitted subdocuments including a link to an adjacent subdocument.

28. (Currently Amended) A method comprising:

creating content for web pages to be served to types of client devices that are not configured to display full web pages, and

storing a plurality of sets of at least one preference defining at least one transformation that is to be made to the full web pages to make them suitable for display on the client devices, the stored sets of preferences each being associated with a respective device based on a unique identifier of the respective device independent of an association with a web page, and defining at least one transformation to be made to full web pages requested by that respective device,

wherein the at least one transformation includes segmenting a full web page into subdocuments for transmitting fewer than all of the subdocuments in response to requests from the client devices, at least one of the transmitted subdocuments including a link to an adjacent subdocument.

29. (Previously Presented) The method of claim 1 in which the digital document comprises an e-mail.

30. (Previously Presented) The method of claim 1 in which altering portions of a text comprises altering portions of a text based on preferences associated with a device and independent of an association with the digital document.

31. (Previously Presented) The method of claim 1 in which altering portions of a text comprises altering portions of a text based on preferences related to at least one capability of the device.

32. (Previously Presented) The method of claim 1 in which altering portions of a text comprises altering portions of a text based on preferences related to at least one capability of the device, and independent of a relation to an ability of a user of the device.

33. (Currently Amended) A network entity comprising:
a processor capable of receiving a set of at least one preference for altering digital documents to be displayed by a device, wherein the set of at least one preference is associated with the device based on a unique identifier of the device and independent of an association with a digital document,

wherein the processor is capable of altering at least a portion of an original version of a digital document based upon the set of at least one preference to thereby produce a revised version of the digital document, and wherein the processor is capable of producing the revised version of the digital document such that the device is capable of displaying the revised version, and

wherein altering at least a portion of the original version of the digital document includes segmenting the digital document into a plurality of subdocuments, at least one of the transmitted subdocuments to the device including a link to an adjacent subdocument, the revised version of the digital document including the subdocuments.

34. (Previously Presented) A network entity according to Claim 33, wherein the network entity comprises an origin server, and wherein the processor is capable of transmitting the revised version of the digital document to the device after producing the revised version.

35. (Previously Presented) A network entity according to Claim 33, wherein the processor is capable of receiving the original version of the digital document from an origin server in response to the origin server receiving a request for the digital document to be displayed by a device, the original version of the digital document being independent of an association with a preference for altering at least a portion of the original version to thereby produce the revised version.

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36. (Previously Presented) A network entity according to Claim 35, wherein the network entity comprises a proxy server, and wherein the processor is capable of transmitting the revised version of the digital document to the device after producing the revised version.

37. (Previously Presented) A network entity according to Claim 35, wherein the network entity comprises a device, and wherein the processor is capable of driving a display to present the revised version of the digital document after producing the revised version.

38. (Previously Presented) A network entity according to Claim 33, wherein the set of at least one preference is associated with the device based on a unique identifier of the device.

39. (Previously Presented) A network entity according to Claim 33, wherein the set of at least one preference is associated with a type of device and independent of an association with a digital document, and wherein the processor is capable of receiving the set of at least one preference based on the type of device for which the revised version of the digital document is produced.

40. (Previously Presented) A network entity according to Claim 33, wherein the processor is capable of transmitting a portion of the subdocuments to the device, and retaining the remaining portion of the subdocuments, after producing the revised version.

42. (Previously Presented) A network entity according to Claim 40, wherein at least one subdocument transmitted to the device includes the link such that, upon selection of the link, the processor is capable of receiving a request for the adjacent subdocument, and transmitting the adjacent subdocument to the device.

43. (Currently Amended) A computer program product comprising at least one computer-readable storage medium having computer-readable program code portions stored therein, the computer-readable program code portions comprising:

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a first executable portion for receiving a set of at least one preference for altering digital documents to be displayed by a device, wherein the set of at least one preference is associated with the device based on a unique identifier of the device and independent of an association with a digital document;

a second executable portion for altering at least a portion of an original version of a digital document based upon the set of at least one preference to thereby produce a revised version of the digital document, wherein the second executable portion is adapted to produce the revised version of the digital document such that the device is capable of displaying the revised version, the second executable portion being adapted to alter at least a portion of the original version of the digital document including segmenting the digital document into a plurality of subdocuments, the revised version of the digital document including the subdocuments; and

a third executable portion for transmitting a portion of the subdocuments, wherein the at least one of the portion of subdocuments transmitted by the third executable portion to the device includes a link to an adjacent subdocument.

44. (Previously Presented) A computer program product according to Claim 43, wherein the computer program product is adapted for operation by an origin server, and wherein the computer program product further comprises:

a fourth executable portion for transmitting the revised version of the digital document to the device after producing the revised version.

45. (Previously Presented) A computer program product according to Claim 43, wherein the first, second and third executable portions are adapted for operation by a network entity, and wherein the computer program product further comprises:

a fourth executable portion for receiving a request for the digital document to be displayed by a device, wherein the fourth executable portion is adapted for operation by an origin server, and wherein the fourth executable portion is adapted to transmitting the original version of the digital document to the network entity, the original version of the digital document being independent of an association with a preference for altering at least a portion of the original version to thereby produce the revised version.

46. (Previously Presented) A computer program product according to Claim 45, wherein the network entity comprises a proxy server, and wherein the computer program product further comprises:

a fifth executable portion for transmitting the revised version of the digital document to the device after the second executable portion produces the revised version, the fifth executable portion being adapted for operation by the proxy server.

47. (Previously Presented) A computer program product according to Claim 45, wherein the network entity comprises a device, and wherein the computer program product further comprises:

a fifth executable portion for displaying the revised version of the digital document after the second executable portion produces the revised version, the fifth executable portion being adapted for operation by the device.

48. (Previously Presented) A computer program product according to Claim 43, wherein the set of at least one preference is associated with the device based on a unique identifier of the device.

49. (Previously Presented) A computer program product according to Claim 43, wherein the set of at least one preference is associated with a type of device and independent of an association with a digital document, and wherein the first executable portion is adapted to receive the set of at least one preference based on the type of device for which the revised version of the digital document is produced.

50. (Previously Presented) A computer program product according to Claim 43, wherein the third executable portion is adapted to transmit a portion of the subdocuments to the device, and retain the remaining portion of the subdocuments, after the second executable portion produces the revised version.

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52. (Previously Presented) A computer program product according to Claim 50, wherein at least one subdocument transmitted by the third executable portion to the device includes the link such that, upon selection of the link, the third executable portion is further capable of receiving a request for the adjacent subdocument, and transmitting the adjacent subdocument to the device.

53. (Previously Presented) The method of claim 1, wherein the segmenting subdocuments comprises:

- determining a maximum document size permissible by the device;
- converting the digital document into a specific markup language document; and
- dividing the specific markup language document into a number of segments of a predetermined length.

54. (Previously Presented) The method of claim 53, wherein the number of segments is determined by dividing a size of the digital document by the maximum document size permissible by the device.

REASONS FOR ALLOWANCE

Claims 1-3 and 5-54 are allowed over the prior art of record.

The following is a statement of reasons for the indication of allowable subject matter:

In interpreting the claims in light of the specification and applicant's Appeal Brief filed 08/30/2006 and telephone interview with Mr. Chad L. Thorson - Reg. No. 55,675, Attorney for Applicant(s) on 11/21/2005. Examiner finds the claimed invention is patentably distinct from the prior art of record.

The prior art of record Tso et al. US 6,421,733 filed 3/25/1997 in view of Tsimelzon, US 6,763,388 filed 8/10/1999, which set forth in the previous rejection mailed on 01/03/2006.

The prior art of record taught most of the Applicant's claimed limitation, but does not expressly teach " based on a unique identifier of the device and independent of an association with a digital document; thereby produce a revised version of the digital document, wherein the second executable portion is adapted to produce the revised version of the digital document such that the device is capable of displaying the revised version, the second executable portion being adapted to alter at least a portion of the original version of the digital document including segmenting the digital document into a plurality of subdocuments, the revised version of the digital document including the subdocuments; and a third executable portion for transmitting a portion of the subdocuments, wherein the at least one of the portion of subdocuments transmitted by the third executable portion to the device includes a link to an adjacent subdocument" (see the Application invention specification page 3 paragraphs [0063]-[0065], also see Fig. 7).

The Examiner asserts that the claims overcome the prior art of record when the limitations are read in combination with the respective claimed limitations in their entirety.

The dependent claims, being further limiting to the independent claims, definite and enabled by the Specification are also allowed.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quoc A. Tran whose telephone number is 571-272-8664. The examiner can normally be reached on 9AM - 5PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Herndon R. Heather can be reached on 571-272-4136. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


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